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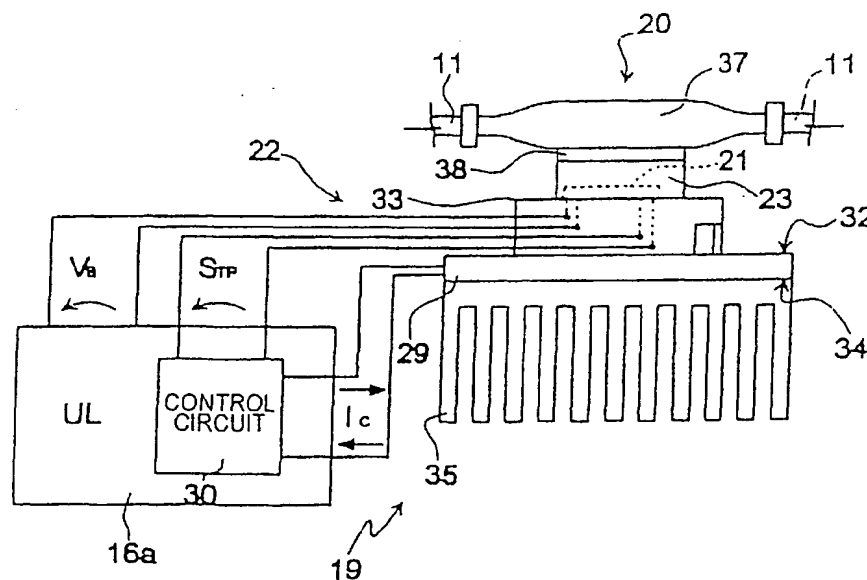
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(54) Title: NON-INVASIVE DEVICE FOR MEASURING BLOOD TEMPERATURE IN A CIRCUIT FOR THE EXTRACORPOREAL CIRCULATION OF BLOOD, AND EQUIPMENT PROVIDED WITH THIS DEVICE



(57) **Abstract:** A non-invasive device (16) for measuring blood temperature in a circuit for the extracorporeal circulation of blood includes a line (20) in which blood taken from a patient flows (P), and a temperature sensor (19), connected to the said line (20) and provided with a device (21) for measuring the intensity of an electromagnetic radiation. The measuring device (21) faces a connecting portion or window (37) of the line (20) which is permeable by electromagnetic radiation in a first wave band (B_S), and generates a first signal (V_B), correlated with the electromagnetic radiation in the first band (B_S) and therefore, with the temperature of the blood flowing in the line (20).

WO 03/05544 A1